

In the Claims:

Please amend the claims as follows:

1-15 (cancelled)

16. (new) An analysis and culture apparatus comprising several wells having depth directions, the wells having separate caps to close the wells to form closed spaces, wherein the caps can be removably attached in the wells and have an inlet passage and an outlet passage integrated in the cap for introducing matter to the closed space and for removing it from the closed space, respectively.

17. (new) The analysis and culture apparatus according to claim 16, wherein the cap comprises an insert part that can be placed in the well, said insert part having a lower surface, and a shoulder supported by an upper edge of the well.

18. (new) The analysis and culture apparatus according to claim 17, wherein the cap comprises a flange part being wider than the insert part and having a lower surface forming said shoulder.

19. (new) The analysis and culture apparatus according to claim 17, wherein there is a seal around the insert part, which seal is placed against a side wall of the well.

20. (new) The analysis and culture apparatus according to claim 18, wherein there is a seal around the insert part, which seal is placed against a side wall of the well.

21. (new) The analysis and culture apparatus according to claim 17, wherein the inlet passage and the outlet passage open on the lower surface of the insert part.

22. (new) The analysis and culture apparatus according to claim 19, wherein the inlet passage and the outlet passage open on the lower surface of the insert part.

23. (new) The analysis and culture apparatus according to claim 21, wherein the inlet passage opens at a lower position than the outlet passage.

24. (new) The analysis and culture apparatus according to claim 18, wherein, in order to couple the inlet and outlet channels to the cap, there are connection apertures on the outer surface of the flange part.

25. (new) The analysis and culture apparatus according to claim 17, wherein there is an inclined portion on the lower surface of the insert part.

26. (new) The analysis and culture apparatus according to claim 21, wherein there is an inclined portion on the lower surface of the insert part.

27. (new) The analysis and culture apparatus according to claim 16, wherein the cap is

transparent in the depth direction of the well.

28. (new) The analysis and culture apparatus according to claim 17, wherein the cap is transparent in the depth direction of the well.

29. (new) The analysis and culture apparatus according to claim 16, wherein separate input channels are brought to the caps placed in the wells.

30. (new) The analysis and culture apparatus according to claim 17, wherein separate input channels are brought to the caps placed in the wells.

31. (new) A cover for an analysis and culture apparatus comprising several wells, said cover being a separate cap, which can be removably attached to an individual well in order to close it, and to which an inlet passage and an outlet passage for bringing matter to the well and for removing it from the well, respectively, are integrated.

32. (new) The cover according to claim 31, wherein the cap comprises an insert part, which is intended to be placed in the well, said insert part having a lower surface, and a shoulder above the insert part, which is intended to be supported by an upper edge of the well.

33. (new) The cover according to claim 32, wherein the cap comprises a flange part being wider than the insert part and having a lower surface forming said shoulder.

34. (new) The cover according to claim 32, wherein there is a seal around the insert part, which is intended to be placed against a side wall of the well.

35. (new) The cover according to claim 33, wherein there is a seal around the insert part, which is intended to be placed against a side wall of the well.

36. (new) The cover according to claim 32, wherein the inlet passage and the outlet passage open on the lower surface of the insert part in the cap.

37. (new) The cover according to claim 33, wherein the inlet passage and the outlet passage open on the lower surface of the insert part in the cap.

38. (new) The cover according to claim 34, wherein the inlet passage and the outlet passage open on the lower surface of the insert part in the cap.